

Application Serial No. 10/532,952
Reply to office action of November 25, 2008

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Docket: CU-4170

Amendments To The Claims

The listing of claims presented below will replace all prior versions, and listings, of claims in the application.

Listing of claims:

1. (currently amended) An output information management system including an information storage medium for a user, an output device which outputs information onto media, and a server separated from the output device and communicably connected to the output device through a communication network,

the information storage medium having a memory on which unique information is stored;

the output device having a reading unit which reads the unique information from the information storage medium and a unit which transmits information to be outputted onto media to the server in association with both the unique information read by the reading unit and device identification information of the output device; and

the server having a database for storing the information received from the output device in association with both the unique information and the device identification information, even after the output device outputs information onto media.

2. (original) The output information management system according to claim 1, wherein the server further comprises:

a database in which output prohibited information which is prohibited to be outputted by the output device or output permitted information which is permitted to be outputted by the output device is registered;

a matching unit which matches information received from the output device with the information registered in the database; and

a matching unit which transmits alarm information to the output device or an information processing terminal for an administrator or stops the output if the matching unit determines as the result of the matching that information matches the output prohibited information or does not match the output permitted information.

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3. (original) The output information management system according to claim 2, wherein the output prohibited information or the output permitted information is registered in the database on an individual output device basis; and

the matching unit matches information received from the output device with the output prohibited information associated with the output device or the output permitted information associated with the output device.

4. (currently amended) An output information managing method in an output information management system including an information storage medium for a user, an output device which outputs information onto media, and a server separated from the output device and communicably connected to the output device through a communication network, comprising the steps of:

reading unique information stored on a memory of the information storage medium by the output device;

transmitting information outputted by the output device from the output device to the server in association with both the unique information and a device identification information of the output device; and

storing the information associated with both the unique information and the device identification information and received at the server in a database of the server, even after the output device outputs information onto media.

5. (currently amended) An output information management system including an information storage medium, an information processing terminal having a reader/writer capable of reading information stored on the information storage medium, an output device which is connected with the information processing terminal so as to be able to receive information from the information processing terminal and outputs the information received from the information processing terminal onto paper media, and a server separated from the output device and communicably connected with the output device,

the information storage medium having a memory on which ID information identifying the user is stored;

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the reader/writer having a reading section for reading the ID information stored on the information storage medium;

the information processing terminal having a unit for transmitting the ID information read by the reader/writer and output information to be outputted onto paper media with the output device to the output device;

the output device having a unit which transmits the ID information received from the information processing ~~device~~ terminal and the output information and a device identification information of the output device to the server; and

the server having a unit which stores the ID information and the output information and the device identification information received from the output device in a database in association with each other, even after the output device outputs information onto paper media.

6. (currently amended) An output information management system including an information storage medium, an information processing terminal having a reader/writer capable of reading information stored on the information storage medium, a server connected with the information processing terminal so as to be capable of receiving information from the information processing terminal and communicably connected to the output device separated from the server, and an output device which outputs information received from the information processing terminal through the server onto paper media,

the information storage medium having a memory on which ID information identifying a user is stored;

the reader/writer having a reading section for reading ID information stored on the information storage medium;

the information processing terminal having a unit which transmits the ID information read by the reader/writer and output information to be outputted onto paper media on the output device to the server;

the server comprising:

an output determining information database in which output prohibited information prohibited to be outputted on the output device or output permitted

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information permitted to be outputted on the output device is registered;

a matching unit which matches output information received from the information processing terminal with the information registered in the output determining information database;

an alarm information transmitting unit which transmits an alarm information to the output device if the matching unit determines as the result of the matching that the information matches the output prohibited information or does not match the output permitted information; **and**

an output information transmitting unit which transmits the output information to the output device if the matching unit determines as the result of the matching that the information does not match the output prohibited information or the information matches the output permitted information; **and**

an output information database which stores the ID information received from the information processing terminal, output information and the device identification information of the output device in association with each other, even after the output device outputs information onto paper media.

7. (currently amended) The output information management system according to claim 6, wherein the server further comprises:

~~an output information database in which the ID information received from the information processing terminal and output information in association with each other; and~~

a unit which stores the ID information received from the information processing terminal in association with output information that does not match the output prohibited information or output information that matches the output permitted information as the result of the matching by the matching unit.

8. (currently amended) An output information management system including an information storage medium, an information processing terminal having a reader/writer capable of reading information stored on the information storage medium, a processing server connected with the information processing terminal so as to be able to receive

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information from the information processing terminal and communicably connected with the output device, a storage server separated from the output device and which stores information permitted by the processing server to be outputted, and an output device which outputs information received from the information processing terminal through the processing server onto paper media,

the information storage medium having a memory on which ID information identifying a user is stored;

the reader/writer having a reading section for reading the ID information stored on the information storage medium;

the information processing terminal having a unit which transmits the ID information read by the reader/writer and output information to be outputted onto paper media to the processing server;

the processing server comprising:

an output determining information database in which output prohibited information prohibited to be outputted on the output device or output permitted information permitted to be outputted on the output device is registered;

a matching unit which matches output information received from the information processing terminal with the information registered in the output determining information database;

an alarm information transmitting unit which transmits alarm information to the output device if the matching unit determines as the result of the matching that the output information matches the output prohibited information or does not match the output permitted information; and

a transmitting unit which transmits the output information to the output device and transmits the output information and the ID information to the storage server if the matching unit determine as the result of the matching that the output information does not match the output prohibited information or matches the output permitted information;

the storage server comprising:

an output information database in which ID information received from the information processing terminal ~~and~~, output information and a device identification information of the output device in association with each other; and

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a unit which stores the ID information received from the processing server in association with both the output information and the device identification information in the output information database, even after the output device outputs information onto paper media.

9. (original) The output information management system according to claim 6, wherein:

the output determining information database stores the output prohibited information or the output permitted information on an individual output device basis;

the matching unit matches information received from the information processing terminal with the output prohibited information associated with the output device on which the information is to be outputted or with the output permitted information associated with the output device on which the information is to be outputted.

10. (original) The output information management system according to claim 5, wherein the information storage medium is an IC card.

11. (currently amended) A server separated from an output device and connected through a communication network with ~~an~~ the output device which outputs information onto media, comprising:

a database on which output prohibited information prohibited to be outputted on the output device or output permitted information permitted to be outputted on the output device is registered;

a receiving unit which receives output information to be outputted on the media ~~and,~~ unique information unique to a user and a device identification information of the output device from the output device;

a storage unit which stores the output information received from the output device ~~and,~~ the unique information and the device identification information in a database in association with each other;

a matching unit which matches the output information received from the output device with the information in the database; and

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a unit which transmits alarm information to the output device or an information processing terminal for an administrator or stops the output if the matching unit determines as the result of the matching that the output information matches the output prohibited information or does not match the output permitted information,

wherein the database stores the unique information, the output information and the device identification information in association with each other, even after the output device outputs information onto media.

12. (currently amended) A server separated from an output device and communicably connected with an the output device which outputs information onto paper media, comprising:

an output determining information database in which output prohibited information prohibited to be outputted on the output device or output permitted information permitted to be outputted on the output device is registered;

an output information database in which ID information received from an information processing terminal and output information and a device identification information of the output device are stored in association with each other;

a receiving unit which receives ID information identifying a user and output information to be outputted onto the paper media;

a matching unit which matches the output information received by the receiving unit with the information registered in the output determining information database;

an alarm information transmitting unit which transmits alarm information to the output device if the matching unit determines as the result of the matching that the output information matches the output prohibited information or does not match the output permitted information;

an output information transmitting unit which transmits the output information to the output device if the matching unit determines as the result of the matching that the output information does not match the output prohibited information or matches the output permitted information; and

a unit which stores output information determined by the matching unit not to match the output prohibited information or to match the output permitted information, in

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association with ID information received by the receiving unit,

wherein the output information database stores the ID information, the output information and the device identification information in association with each other, even after the output device outputs information onto paper media.

13. (currently amended) A computer program product in a computer-readable **storage** medium executed by a computer **separated from an output device and** connected through a communication network with an output device which outputs information onto media,

the computer having a database in which output prohibited information prohibited to be outputted on the output device or output permitted information permitted to be outputted on the output device is registered;

the computer program product in a computer-readable medium causing the computer to function as:

a receiving unit which receives output information, from the output device, to be outputted on the media **and, unique information unique to a user, and a device identification information of the output device;**

a storage unit which stores the output information **and, the unique information and the device identification information** received from the output device in the database in association with each other;

a matching unit which matches the output information received from the output device with the information registered in the database; and

a unit which transmits alarm information to the output device or an information processing terminal for an administrator or stops the output if the matching unit determines as the result of the matching that the output information matches the output prohibited information or does not match the output permitted information,

wherein the storage unit stores the output information, the unique information and the device identification information in the database in association with each other, even after the output device outputs information onto media.

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14. (currently amended) A computer program product in a computer-readable storage medium executed by a computer separated from an output device and communicably connected with an output device which outputs information onto paper media;

the computer having an output determining information database in which output prohibited information prohibited to be outputted on the output device or output permitted information permitted to be outputted on the output device is registered;

an output information database in which ID information and output information received from an Information processing terminal and a device identification Information of the output device are stored in association with each other;

the computer program product in a computer-readable medium causing the computer to function as:

a receiving unit which receives ID information identifying a user and output information to be outputted onto paper media;

a matching unit which matches the output information received by the receiving unit with the information registered in the output determining information database;

an alarm information transmitting unit which transmits alarm information to the output device if the matching unit determines as the result of the matching that the output information matches the output prohibited information or does not match the output permitted information;

an output information transmitting unit which transmits the output information to the output device if the matching unit determines as the result of the matching that the output information does not match the output prohibited information or matches the output permitted information; and

a unit which stores output information determined by the matching unit not to match the output prohibited information or to match the output permitted information, in the output information database in association with ID information received by the receiving unit,

wherein the storage unit stores the output information, ID information and the device identification information in the database in association with each other, even after the output device outputs information onto paper media.